

THINGOE RURAL
DISTRICT COUNCIL.

ANNUAL REPORT

OF THE

Medical Officer of Health,

FOR THE YEAR 1903,

BY

CHARLES SCOTT KILNER,

Vice-President East Anglian Branch of the British
Medical Association ;

*Fellow of the Incorporated Society of Medical
Officers of Health.*

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THINGOE RURAL DISTRICT.

To the Thingoe Rural District Council.

GENTLEMEN,

I have the honour to lay before you my Twenty-sixth Annual Report on the Sanitary Condition of the Thingoe Rural District for the year 1903.

The Thingoe Rural District, which has an area of 83,998 acres and comprises forty-seven parishes, is divided into three Sub-Districts, viz., Rougham, Fornham and Ixworth.

Thingoe
Rural
District.

The sub-soil consists chiefly of chalk, which is covered by beds of clay or gravel of varying depths, the chalk coming near the surface in places.

Physical
Features.

The year 1903 will perhaps long be remembered as the wettest year in this district, with one exception, for nearly half-a-century, and also as a most disastrous one from an agricultural point of view. The average rainfall is about 25 inches, but last year it reached 31.53 inches, which fell on 175 days. For the following table of the rainfall for each month during the year I am indebted to R. Burrell, Esq., of Westley :—

Rainfall.

INCHES.				INCHES.			
January ...	...	...	1.90	August ...	...	...	3.78
February ...	...	...	0.28	September ...	...	...	3.31
March ...	...	...	2 12	October ...	...	...	5.30
April ...	...	...	1.96	November ...	...	...	2.18
May ...	...	...	2.54	December ...	...	...	1.23
June ...	...	...	3.11				
July ...	...	...	3.82	Total ...	...	...	31.53

The population of the Thingoe District, when the last Census was taken, was 14,528, towards which Rougham Sub-District contributed 4,677, Fornham Sub-District 5,050, and Ixworth Sub-District 4,801. These numbers, on which the following statistics have been framed, may, I think, still be assumed to be sufficiently correct for this purpose.

Population.

Births.

In the Thingoe District during the year 1903 there were registered 331 births, of which 183 were males and 148 were females. This is equivalent to a birth-rate of 22.78 per 1,000 of the population. In 1902 there were 348 births, the estimated birth-rate being 23.95 per 1,000. The birth-rate for England and Wales in 1903 was 28.4 per 1,000 (the lowest on record).

Deaths.

In the Thingoe District during the year 1903 there were 174 deaths, of which 27 were under one year of age, 67 between one and sixty-five years of age, and 80 above sixty-five years of age; the death-rate for the year being 11.97 per 1,000 of the population. There were, however, in addition, 25 deaths recorded in various institutions outside the District, thus raising the total number of deaths to 199, and giving a death-rate of 13.42 per 1,000.

The death-rate for England and Wales was 15.4 per 1,000 (the lowest on record).

Excess of Births over Deaths.

In the Thingoe District during the year 1903 there were 157 more births than there were deaths.

First quarter—number of deaths	49.	Death-rate	13.48
Second „ „ „	49.	„	13.48
Third „ „ „	40.	„	11.00
Fourth „ „ „	36.	„	9.88

Infant Mortality.

Proportion of deaths under one year of age to 1,000 births :—

In the Thingoe District in 1903 it was 81.57

„ „ „ 1902 „ 97.70

In England and Wales in 1903 „ 132.0

Mortality above 60 years of age.

Mortality per 1,000 living above sixty years of age (the estimated number living being 890) :—

In the Thingoe District in 1903 it was 111.23

„ „ „ 1902 „ 117.97

In England and Wales in 1903 „ 64.2

Zymotic Diseases.

In the Thingoe District during the year 1903 there were only four deaths referred to the principal Zymotic Diseases, viz., one due to Scarlet Fever, one to Diphtheria and two to Diarrhoea.

This is equivalent to a Zymotic death-rate of 0.27 per 1,000.

In 1902 the Zymotic death-rate was 0.48 per 1,000.

In England and Wales in 1903 it was 1.46 per 1,000.

The Thingoe District has been quite free from Small-pox Small-Pox. during the past year.

Scarlet Fever has been somewhat prevalent in many parts of the District, cases having occurred in fifteen different parishes. In most of these villages the disease has been confined to one or two families, but in a few parishes, notably at Bradfield St. George and Ixworth, the disease has hung about for a considerable time, and affected several householders. The usual precautions have been taken to prevent the spread of the disease, but in cottages it is next to impossible to isolate the inmates, especially where, as is so often the case, there are large families. Disinfectants have been freely distributed, and where it was considered necessary the Schools were recommended to be closed.

Diphtheria has occurred in six parishes, but in each case the disease was confined to a single individual. All these cases were of a Sporadic origin, and except in one instance which proved fatal, they were of a mild type.

The District has for many years past been quite free from Enteric Enteric Fever, but last year three cases occurred at Fornham St. Martin and one at Horringer. The exact causes of these cases could not, however, be determined.

The District has on the whole been unusually free from Measles.

The District has been very free from Whooping Cough, but towards the end of the year there were signs of its becoming pretty general.

Although two deaths have been referred to Diarrhœa, the District has been very free from this disease.

One death has certified as due to Influenza, but on the whole the District has been free from this complaint in an epidemic form.

Tables are attached to this Report, showing the nature of all the Infectious Diseases which have been notified during the year, together with the parishes in which they have occurred.

The iron Hospital which was erected for the reception of Small-pox patients two years ago has never been called into requisition, and when it was suggested last year that it should be used for Fever cases, the proposal was negatived.

General Health of the District. The general health of the District during the year 1903 may, I think, be considered as very satisfactory. The number of deaths occurring in the District has been fewer than has ever before been recorded, and the death-rate amongst infants also falls far below that of any previous year. As a set off, however, against this favourable state of things, it must be noted that the number of births is likewise less than it has probably ever been before.

Sanitary Inspection. It is with regret that I have to record the death last December of Mr. Deeks, who for nearly twenty-eight years held the office of Inspector of Nuisances of the Thingoe Rural District, during which time he performed his duties, which were often onerous and difficult, in a satisfactory and praiseworthy manner.

The District was frequently and systematically inspected by the late Mr. Deeks, and as a result 292 notices to abate various nuisances were served last year, for particulars of which I would draw attention to a table appended hereto, which has been compiled from the books kept by the late Sanitary Inspector.

Dwelling Houses. During the past year two houses, which were unfit for human habitation, were closed; fifty-four houses, more or less dilapidated, were repaired, and four better ventilated; while three cases of overcrowding were remedied, and thirty-eight houses and three schools were disinfected.

During the year fourteen new closets were built, forty-eight closets were repaired, and forty cesspools found to be full were ordered to be cleaned out.

Ten new drains were made, twenty-four unblocked, &c., and ten water courses cleaned out.

West Stow Sewerage Farm. The new scheme which the Authorities of Bury St. Edmund's have decided on for improving the condition of the main sewer, and of the Sewerage Farm at West Stow, is now in hand, and will, it is hoped, when completed, do away with all cause of complaint.

Water Supply. After a long series of dry years, which had seriously affected the water supply in nearly all parts of the District, we have just experienced one of the wettest seasons which has occurred for nearly half a century, the result being that an abundant supply of water is everywhere now obtainable.

During the year several samples of water were taken for analysis. Fourteen wells were cleaned out and deepened, eight well-top coverings and pumps were repaired, four ponds supplying water for drinking purposes were cleaned out, and five new wells were sunk, viz., at Ampton, 1; Chevington, 1; Hawstead, 1; Risby, 1; and Wkepstead, 1.

The Thingoe District is essentially a rural District, and only contains two factories for the wholesale manufacture of Clothing, the "sanitary conditions" of which are satisfactory. Factory and Workshop Act, 1901.

The Bakehouses visited during the year were generally found in a satisfactory condition. Some owners or occupiers of Bakehouses, however, did not seem to realise the necessity of lime-washing the inside walls and ceilings every six months as required by the Act. Many workshops and work-places have been inspected, and steps are now being taken to render the "Register of Workshops" as complete as possible.

Other matters have been dealt with during the year which do not come under any of the above headings, and nuisances connected therewith have been remedied. Miscellaneous

I beg to append a Table, giving particulars regarding each Parish in the Thingoe Rural District, also Tables I., II., III. and IV., which show the number of Births and Deaths, &c., during the past ten years, those of last year being classified according to diseases, ages and localities.

I have the honour to be, Gentlemen,

Your obedient Servant,

CHARLES SCOTT KILNER,

M.B., C.M., Edin., D.P.H., Camb.,

Medical Officer of Health.

Bury St. Edmund's,

January 22nd, 1904.

TABLE I.

THINGOE RURAL DISTRICT.—Vital Statistics of Whole District during 1903 and Previous Years.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.					TOTAL DEATHS IN PUBLIC INSTITU- TIONS IN THE DISTRICT.	Deaths of Non- residents registered in Public Insti- tutions in the District.	Deaths of Residents registered in Public Insti- tutions beyond the District.	NETT DEATHS AT ALL AGES BE- LONGING TO THE DISTRICT.	
		Number.	Rate.*	Under 1 year of age.		At all Ages.							
				Number.	Rate per 1,000 Births registered.	Number.	Rate.*						
								Number.				Rate.*	
I	2	3	4	5	6	7	8	9	10	11	12	13	
1893	15743	477	30.29	45	90.54	271	17.21	—	—	—	271	17.21	
1894	15743	428	26.55	39	91.12	216	13.72	—	—	—	216	13.72	
1895	15743	395	25.09	40	101.26	217	13.78	—	—	—	217	13.78	
1896	15743	413	26.23	34	82.32	179	11.37	—	—	—	179	11.37	
1897	15743	389	24.83	35	89.97	203	12.89	—	—	—	203	12.89	
1898	15743	381	24.20	33	86.87	194	12.23	—	—	—	194	12.23	
1899	15743	360	22.86	37	102.77	189	12.00	—	—	—	189	12.00	
1900	15743	356	22.61	34	95.50	219	13.91	—	—	—	219	13.91	
1901	14528	368	25.33	40	108.6	198	13.62	—	—	—	198	13.62	
1902	14528	348	23.95	34	97.70	201	13.83	—	—	—	201	13.83	
Averages for years 893—1902	15500	391	25.19	37	94.66	208	13.45	—	—	—	208	13.45	
1903	14528	331	22.78	27	81.57	174	11.97	—	—	25	199	13.42	

*Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water), 83,998. Total population at all ages, 14,528; number of inhabited houses, 3,491; average number of persons per house, 4.16; at Census of 1901.

TABLE II.

THINGOE RURAL DISTRICT.—Vital Statistics of Separate Localities in 1903 and Previous Years.

NAMES OF LOCALITIES.	ROUGHAM SUB-DISTRICT.				FORNHAM SUB-DISTRICT.				IXWORTH SUB-DISTRICT.			
	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.
YEAR.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.
1893	5051	155	93	20	5415	170	89	16	5277	152	89	9
1894	5051	142	89	14	5415	160	57	14	5277	126	70	11
1895	5051	136	68	13	5415	123	73	14	5277	136	76	13
1896	5051	132	52	11	5415	147	64	7	5277	134	63	16
1897	5051	123	57	15	5415	128	67	9	5277	138	79	11
1898	5051	115	66	8	5415	140	75	15	5277	126	53	10
1899	5051	123	59	15	5415	106	63	9	5277	131	67	13
1900	5051	99	60	7	5415	128	64	10	5277	129	95	17
1901	4677	123	63	10	5050	130	68	17	4801	115	67	13
1902	4677	110	61	9	5050	125	58	12	4801	113	82	13
Averages of Years 1893 to 1902	4976	125	66	12	5342	135	67	12	5181	130	74	11
1903	4677	101	50	10	5050	115	69	8	4801	115	55	9

TABLE III.

THINGOE RURAL DISTRICT.—Cases of Infectious Disease notified during the Year 1903.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.		
	At all Ages.	At Ages — Years.					Rougham Sub-district.	Fornham Sub-district.	Ixworth Sub-district.
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.			
Small-pox	—	—	—	—	—	—	—	—	—
Diphtheria	6	—	—	4	2	—	3	3	—
Erysipelas	15	—	—	1	1	9	4	4	7
Scarlet Fever	66	—	18	37	6	5	34	8	24
Enteric Fever	4	—	—	3	—	1	—	4	—
Puerperal Fever	2	—	—	—	—	2	—	2	—
Totals	93	—	18	45	9	17	41	21	31

Isolation Hospital at Fornham St. Martin for Small-pox patients only.

TABLE IV.

THINGOE RURAL DISTRICT.—Causes of, and Ages at, Death during Year 1903.

CAUSES OF DEATH.	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN OR BELONGING TO LOCALITIES (AT ALL AGES).		
	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN OR BELONGING TO LOCALITIES (AT ALL AGES).		
	All Ages	Under 1 Year.	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	Rougham Sub-District.	Fornham Sub-District.	Ixworth Sub-District.
Scarlet Fever	1	—	—	1	—	—	—	—	—	1
Diphtheria and Membranous Croup	1	—	—	1	—	—	—	—	1	—
Epidemic Influenza...	1	—	—	—	—	—	1	—	—	1
Diarrhœa	2	1	—	1	—	—	—	—	2	—
Enteritis	1	—	—	1	—	—	—	—	1	—
Phthisis	14	—	—	1	5	8	—	5	3	6
Other tubercular diseases	1	—	—	1	—	—	—	—	1	—
Cancer, malignant disease...	20	—	—	—	—	10	10	8	9	3
Bronchitis	8	6	—	—	—	1	1	2	2	4
Pneumonia	8	4	1	—	—	2	1	—	5	3
Pleurisy	1	—	—	—	—	—	1	—	1	—
Other diseases of Respiratory organs	1	—	—	—	—	—	—	1	—	1
Premature birth	2	2	—	—	—	—	—	1	—	1
Heart diseases	19	—	—	—	—	10	9	9	10	—
Accidents	5	—	1	—	1	1	2	2	1	2
Suicides	3	—	—	—	—	2	1	1	1	1
All other causes	86	14	2	3	—	14	53	22	32	32
All causes	174	27	4	9	6	48	80	50	69	55

*Table of the Sanitary Work completed during the Year
1903, compiled from the books kept by the late
Mr. Richard Deeks, Inspector of Nuisances.*

Number of notices served	292
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DWELLING HOUSES.

Number of houses closed	2
„ dilapidated houses repaired	54
„ houses better ventilated	...	...	...	...	...	4
„ cases of overcrowding remedied	...	...	...	...	...	3
„ houses disinfected	...	...	...	...	...	38
„ schools disinfected	...	...	...	...	...	3

SEWERAGE AND DRAINAGE.

Number of new closets built	...	...	...	...	...	14
„ closets repaired	...	...	...	...	...	48
„ cesspools cleaned out	...	...	...	...	...	40
„ new drains made	...	...	...	...	...	10
„ drains unblocked	...	...	...	...	...	24
„ water courses cleaned out	...	...	...	...	...	10

WATER SUPPLY.

Number of new wells sunk	...	...	...	...	...	5
„ wells cleaned out and deepened	...	...	...	...	...	14
„ pumps and well-top coverings repaired	...	...	...	...	...	8
„ ponds cleaned out	...	...	...	...	...	4

MISCELLANEOUS.

Number of animals, improperly kept, removed	...	...	...	...	...	18
„ open pools near houses filled up	...	...	...	...	...	26
„ accumulations of refuse, &c., removed	...	...	...	...	...	34
„ accumulation of blood and offal	...	...	...	...	...	2
„ legal proceedings	...	...	...	...	...	0

Sanitary Statistics of Thingoe Rural District for the Year 1903.

SUBJECTS.		Ampton	Bartwell	Barrow	Barton Great.	Bradfield Combust.	Bradfield St. Clare.	Bradfield St. George.	Brockley.	Chedburgh.	Chevington.	Culford.	Denham.	Depden.	Flempton.	Fornham All Saints.	Fornham St. Genovieve.	Fornham St. Martin.	Hardwick.	Hargrave.	Hawstead.	Hengrave.	Horningsheath.	Ickworth.	Ingham.	Ixworth.	Ixworth Thorpe.	Lackford.	Livermere Great.	Livermere Little.	Nowton.	Pakenham.	Rede.	Risby.	Rougham.	Rushbrooke.	Saxham Great.	Saxham Little.	Stanningfield.	Stanton.	Timworth.	Troston.	Westley.	West Stow.	Wheltenham Great.	Wheltenham Little.	Whepstead.	Wordwell.	TOTAL.																																																																																																																																																																																																																																																																																																																																			
I.	Acreage	736	3183	2677	3764	823	1427	1968	1533	571	2445	2229	1310	1596	947	1705	688	1294	114	1781	2304	897	2212	1258	1830	2304	1065	2338	1555	1437	1165	3711	1239	2818	3977	1063	1450	1320	1469	3319	1375	1779	1240	2941	1495	599	2732	2310	83998																																																																																																																																																																																																																																																																																																																																			
	Population—1901.....	121	668	907	645	123	165	417	243	191	457	313	167	192	162	333	92	282	25	337	297	222	525	100	252	856	115	178	211	211	886	182	351	849	134	199	159	258	778	146	235	152	193	357	138	472	42	14528																																																																																																																																																																																																																																																																																																																																				
	" 1891.....	136	734	952	766	130	216	388	279	255	545	372	164	224	187	395	100	280	19	378	325	189	599	92	292	951	131	193	224	145	234	945	204	400	835	136	189	159	301	791	186	268	158	193	362	174	502	45	15743																																																																																																																																																																																																																																																																																																																																			
	Births.....	4	17	26	17	1	5	9	8	5	6	7	3	4	4	9	3	4	0	8	8	5	9	2	6	24	3	4	3	2	3	23	7	7	14	1	8	4	5	17	1	4	2	5	11	2	11	0	331																																																																																																																																																																																																																																																																																																																																			
II.	1903—Rate per 1000	32.8	28.8	26.0	25.5	8.1	30.0	20.7	32.8	26.0	12.6	21.7	17.7	20.8	24.4	27.0	32.4	14.0	0	23.2	26.4	22.5	17.1	20.0	23.4	26.4	26.1	22.4	14.1	14.2	14.7	25.3	37.8	19.6	15.4	7.4	40.0	24.8	19.0	20.4	6.8	16.8	13.0	25.5	30.8	14.2	23.1	0	22.78																																																																																																																																																																																																																																																																																																																																			
	1902—Rate per 1000	24.6	12.6	25.0	24.0	24.3	42.0	25.3	28.7	10.4	12.6	18.6	35.4	10.4	12.2	33.0	10.8	31.5	0	26.1	23.1	22.5	17.1	0	27.3	19.8	8.7	33.6	18.8	42.6	19.6	27.5	27.0	30.8	23.1	7.4	15.0	37.2	22.8	30.0	27.2	8.4	26.0	30.6	47.0	14.2	21.0	0	23.95																																																																																																																																																																																																																																																																																																																																			
	Deaths, Zymotic—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	4																																																																																																																																																																																																																																																																																																																																			
	" Rate per 1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.9	—	—	—	—	—	—	—	—	—	—	—	—	—	5.6	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29																																																																																																																																																																																																																																																																																																																																			
III.	" From other Causes—	1	8	14	7	2	2	3	2	0	5	4	3	3	1	6	0	4	1	2	6	2	5	2	1	13	0	2	1	2	0	10	3	5	7	1	3	2	2	8	1	3	7	1	7	1	6	1	170																																																																																																																																																																																																																																																																																																																																			
	" Rate per 1000.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.8	—	—	—	—	—	—	—	—	—	—	—	—	—	14.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.70																																																																																																																																																																																																																																																																																																																																		
	Total	1	8	14	7	2	2	3	2	0	5	4	3	3	1	6	0	4	1	3	6	2	5	2	1	14	0	2	1	2	0	10	3	7	7	1	3	2	2	8	1	3	7	1	7	1	6	1	174																																																																																																																																																																																																																																																																																																																																			
	1903—Rate per 1000	8.2	11.2	14.0	10.5	16.2	12.0	6.9	8.2	0	10.5	12.4	17.7	10.6	6.1	18.0	0	14.0	10.0	8.7	19.8	9.0	9.5	20.0	3.9	15.4	0	11.2	4.7	14.2	0	22.0	16.2	19.6	7.7	7.4	15.0	12.4	7.6	9.6	6.8	12.6	45.5	5.1	19.6	7.1	12.6	23.8	11.97																																																																																																																																																																																																																																																																																																																																			
IV.	1902—Rate per 1000	8.2	9.8	14.0	12.0	8.1	0	6.9	8.2	20.8	14.7	9.3	11.8	0	6.1	18.0	0	14.4	0	14.5	9.9	9.0	15.2	0	0	18.7	17.4	16.8	14.1	14.2	4.9	22.0	10.8	5.6	13.2	22.2	10.0	6.2	19.0	21.6	6.8	12.6	45.5	15.3	28.0	14.2	10.5	0	13.83																																																																																																																																																																																																																																																																																																																																			
	Infectious Diseases—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																																																																																																																																																																																																																																																																																																																	
	(Notification Act)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																																																																																																																																																																																																																																																																																																																
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